

User

Thursday, 11/12/2008 11:54:22 AM

Linda Lacelle

Process Sheet

Drawing Name

Part Number

Drawing Number

Project Number

Drawing Revision

Customer

: CU-DAR001 Dart Helicopters Services

Job Number **Estimate Number**

S.O. No. :

: 44025 : 11556

P.O. Number

This Issue : 11/12/2008

Prsht Rev. : NC

First Issue : //

Previous Run : 40852

Written By Checked & Approved By

Comment

: Est: B 02.05.11

Type

: PURCHASED PARTS

Added step 3 NG

Material **Due Date**

: 18/12/2008

: CLIP

: D30821

: N/A

: D3082 REV A

Qty:

9 Um: Each

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

PACKAGING 1

PACKAGING RESOURCE #1

Comment: PACKAGING RESOURCE #1

PULL FROM STOCK:

9 X 1722A43 CLIPS B107659

2.0

1722A43

Comment: Qty.: CLIP

1.0000 Each(s)/Unit

Total:

9.0000 Each(s)

clip

3.0

POWDER COATING

POWDER COATING



110915



Comment: POWDER COATING

Powder Coat White Gloss (Ref: 4.3.5.2 Steel) as per QSI 005 4.3

START TIME:

OVEN TEMPERATURE: FINISH TIME:

4.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

5.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock Location:



Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					*44
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
08.12.12	4,5	FLATTEN BOTTOM OF CLIP. OPEN HOLE TO \$10.203.	88	त्वायीऽ	9	45.12.12 45147	Salve
68.12.17	- 1	OK to USE ARTHUR PLATT CO. P/N 1722A43. EQUIVALENT TO E1-B Adjustable (1) Pas.12.17 PER INSPECTION BY CP.	h	08-12-15	9	08.12.12 per 081.042	

Part No: _		PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed:	Date:

NCR:			WORK ORDER NON-CONFORMANCE (NCR)							
		Description of NC	Corrective Action Section B			Verification	Approval	Approval		
DATE	STEP	STEP Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	Approval QC Inspector		
							!			
						· .	Q			
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								1		

NOTE: Date & initial all entries

Dake Thursday, 11/12/2008 11:54:22 AM Linda Lacelle و User:

Process Sheet

• Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: CLIP

Job Number: 44025

Part Number: D30821

Job Number:

Seq. #:

Machine Or Operation:

Description:

6.0

QC21

FINAL INSPECTION/W/O RELEASE



08/12/17-98) MF 08-12-1

Job Completion





DESIG	<u> </u>	DRAWN BY		AEROSPACE LTD KESBURY, ONTARIO, CANADA	
CHECK	ED M	APPROVED ,	DRAWING NO.		REV. A
	9	4	D3082	SHEET	1 OF 1
DATE			TITLE		SCALE
02.0	1.21		CLIP	·	NTS
Α		02.01.21	NEW ISSUE		

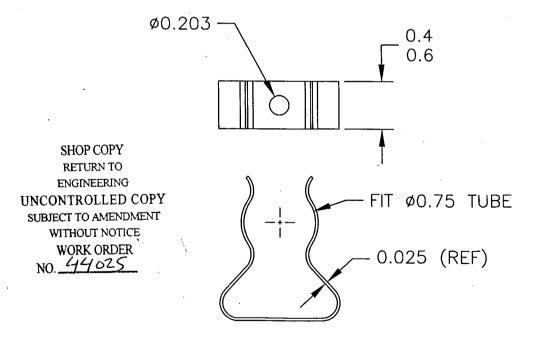
SPECIFICATION CONTROL DRAWING

DESCRIPTION: STEEL CLIP, Ø0.75

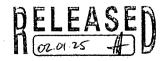
FINISH: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3

CAN MAKE FROM CRAWFORD PEG HOOKS, P/N #18612 (VENDOR: CANADIAN TIRE) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED.

ALL DIMENSIONS ARE IN INCHES.



D3082-1 CLIP



Chris Provencal

From: dshepherd@dartaero.com

Sent: October 28, 2008 10:13 PM

To: Chris Provencal **Subject:** Re: NCR D3082-1

I agree that the stainless steel clip from memaster is an acceptable deviation as long as we do a fit check to ensure that it fits and functions properly.

David

Sent from my BlackBerry device on the Rogers Wireless Network

From: "Chris Provencal" <cpre>cprovencal@dartaero.com>

Date: Tue, 28 Oct 2008 09:44:44 -0400

To: 'David Shepherd'<dshepherd@dartaero.com>

CC: 'Mike Petsche'<mpetsche@dartaero.com>; Linda Lacelle \(Linda Lacelle\)lindal@dartaero.com>

Subject: FW: NCR D3082-1

David,

Linda needs to ship a D350-589-041, we need to substitute the clip. I left a phone message regarding this yesterday, this is the original email with some attachments.

-Chris

From: Chris Provencal [mailto:cprovencal@dartaero.com]

Sent: April 8, 2008 9:30 AM

To: 'David Shepherd' Cc: 'Mike Petsche' Subject: NCR D3082-1

David,

Our supplier of the D3082-1 Clips has proven unreliable (Canadian Tire) which perhaps explains why Boeing didn't use Canadian Tire for the new 787. Anyhow, we have none in stock and Linda searched high and low for another source. We found these (pics), which are #1-B Adjustable Clips from the Arthur L Platt Company in Milford CT (through McMaster). They are nickel plated steel, the width is in dwg tol (0.440"). The mat'l thickness is over dwg dim at 1/32" (0.025 is ref anyway). The hole is made to thread with a #10 screw, it will have to be opened to 0.203" diam. The only issue I see with these (ref pic IMG 1065) is that the base is curved (RH pic), we can flatten them but the end result is a bit wavy (LH pic) but not overly so. These have been replaced with the gas strut, so I don't think we'll need too many of these. I think they're acceptable. I think we can sign these off as acceptable with no dwg update.

Additionally they have a SS version and a Nylon-coated steel version. If we were to use the Nylon one (IMG 1067.jpg) we could avoid powder coating them; Linda is keen on that one. The coating seems fairly durable and looks/feels like powder coat. If you're OK with that one, we could sign it off as a deviation on the finish, and look at updating the dwg whenever.

-Chris